DANISH ASHRAF

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Education

M.S. Computer Science, SZABIST Karachi (2016 - 2018)

Master's thesis: Applied regression technique on ride-hailing data by using scikit-learn.

B.S. Computer Science, Hamdard University Karachi (2012 - 2016)

Bachelor thesis: Enhancement of SMIME protocol using AES256 and Elliptic-curve cryptography.

Professional Experience

Founder, Shopitz · Part-time (Feb 2025 – Present)

www.shopitz.com

- Launched and manage an online store catering to the local Pakistani market.
- Oversee end-to-end operations, including product sourcing from China, inventory management, and order fulfillment.
- Operate and maintain a fully digital business through a custom e-commerce platform.

Founder/Full Stack Developer, CodeHills · Freelance (Apr 2023 – Present)

www.codehills.net

- Founded a technology company focused on developing modern software solutions.
- Lead a team of developers to deliver scalable web, mobile, and cloud-based applications for international clients.
- Drive the company's vision, project planning, technical architecture, and client communications.
- Specialize in problem-solving, business automation, and user-centric product development.

Full-Stack SWE, Brij · Contract (Nov 2025 – Jan 2026)

www.brij.it

- Delivered end-to-end features across the Brand Dashboard (Angular) and Consumer-facing application (React)
- Optimized backend data access by improving Next.js API routes, GraphQL queries, and MongoDB performance
- Implemented Shopify fixed discount logic within the shopping module for both Brand Dashboard and Consumer App
- Identified and resolved multiple production bugs, improving overall stability and user experience

Full Stack Developer, THD FOX GmbH · Freelance (Jan 2021 – Sep 2024)

- Developed mobile applications using NativeScript integrated with WordPress for Seelenbewusst Store.
- Collaborated with CrushLink as a Full-Stack Developer using Firebase and React Native.
- Integrated third-party services such as Xing, Tiledesk, Google Authentication, and Firebase Cloud Messaging.

Web & Mobile App Developer, Tiksis Technologies oy · Freelance (Jan 2021 – Dec 2021)

- Designed and built a web app for kindergarten coaches using FunctionApp.
- Developed an Android app for kindergarten coachees using NativeScript with Vue.js.

Senior Software Engineer, Feroze1888 Mills Ltd · Full-time (Dec 2018 – Aug 2021)

- Led the development of internal HR automation tools.
- Customized Oracle EBS modules to align with organizational requirements.
- Built custom APIs and integrated them with Oracle EBS.
- Developed Angular-based user interfaces to support enterprise workflows.

Senior Software Developer, Imam Clinic · Full-time (Sep 2017 – Dec 2018)

- Spearheaded the development of modules for the hospital management information system.
- Oversaw full project life cycles from gathering requirements to deployment.
- Automated key hospital processes through web application solutions.

Senior Software Developer, Amid Tech · Full-time (Jul 2016 – Aug 2017)

- Delivered hybrid mobile applications for EMEA-region clients.
- Developed a push notification server and RESTful APIs.
- Integrated Firebase Authentication (Facebook & Gmail) and Google Maps services, including Places and Distance Matrix APIs, into ride-hailing applications.

Software Developer, INTERSAT SYSTEMS · Full-time (Jul 2015 – Jun 2016)

- Built desktop applications using C# WinForms.
- Developed a secure file explorer leveraging custom cryptography.
- Integrated RFID hardware with an attendance management system.

Technical Proficiency
Software Development

- Frontend: React, Angular, Vue
- Mobile: NativeScript, Ionic, Flutter, FlutterFlow
- Backend: Node.js, PHP (WordPress), Python, Next.js, Nest.js
- Desktop: Electron
- Tools: VSCode, Cursor, Claude Code, GPT Codex, GitHub Copilot, GitHub

AI & Machine Learning

- TensorFlow, Hugging Face, Scikit-Learn, FlowiseAI, n8n, CrewAI, OpenClaw
- Large language models (OpenAI, Claude, Gemini, Kimi), Custom AI solutions, RAG

Database & Cloud Solutions

- SQL: MySQL, PostgreSQL
- NoSQL: MongoDB, Firestore, CouchBase
- Cloud: AWS, Firebase, Google Cloud (GCP), Plesk, cPanel, Any Linux based VPS
- Scalable architectures (using NGINX)

Agentic AI Systems

- Task automation, workflow orchestration, intelligent decision systems
- Multi-agent frameworks, custom agentic solutions

Generative AI Solutions

- Text generation, summarization
- Image, design, code, and multimodal content creation

Conversational AI

- Custom chatbots, knowledge-based QA systems
- Multilingual and voice-enabled interfaces

Languages
- English
- Urdu (Native)

Interests
- Exploring emerging technologies
- Traveling and experiencing nature
- Console gaming and interactive entertainment